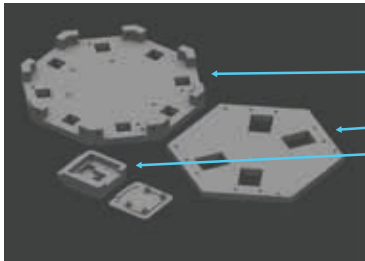


TOOLS AND PARTS LIST



TOOLS

- Soldering Iron
- Phillips head screwdriver
- Wire Strippers/cutters
- Dupont connector crimper
- 3mm Allen key
- 7/64in Allen key
- 5/32in Allen key



3D Printed Parts

- | | | |
|--------------------|---|---|
| - SensorHolder.stl | x | 1 |
| - Chassis.stl | x | 1 |
| - CameraFront.stl | x | 1 |
| - CameraBack.stl | x | 1 |

HARDWARE AND WIRES

SPACERS

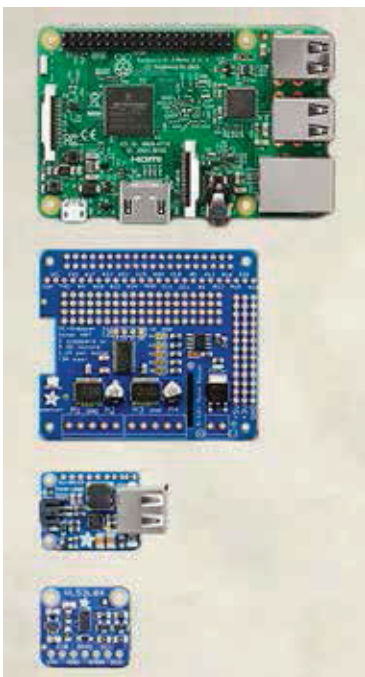
- | | | |
|---------|---|---|
| - 1/2in | x | 3 |
| - 1in | x | 4 |
| - 2in | x | 3 |

SCREWS

- | | | |
|----------------------|---|----|
| - 1/2in x 5/32in set | x | 3 |
| - 1/2in x 3/32in hex | x | 3 |
| - 1/2in x 7/64in | x | 4 |
| - 1/4in x 7/64in | x | 12 |

WIRING

- | | | |
|-------------------------|---|----|
| - F/F Dupont Wire 7in | x | 22 |
| - Fem Dupont Connectors | x | 26 |
| - Micro USB to USB 6in | x | 1 |
| - 20 Gauge Wire | | |
| - Shrink Tubing | | |



Components

- | | | |
|------------------------------------|---|---|
| - Raspberry Pi 3 | x | 1 |
| - Camera V2 | x | 1 |
| - MotorHat | x | 1 |
| - Powerboost 1000 | x | 1 |
| - 6V Motors | x | 4 |
| - Motor Brackets | x | 4 |
| (2 screws and nuts inc) | | |
| - Omni Wheel Assem. | x | 4 |
| (Hubs and screws inc) | | |
| - VL53L0X | x | 4 |
| - Battery Holder | x | 1 |
| (2 1/4in flathead screws included) | | |